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| FORM PTO-1390 OFFICE (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 90500-000046/US | |
| | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) | |
| | | NEW APPLICATION | |
| INTERNATIONAL APPLICATION NO. PCT/IB2003/004178 | | INTERNATIONAL FILING DATE September 19, 2003 | |
| TITLE OF INVENTION METHOD FOR ROBUST ASYMMETRIC MODULATION SPATIAL MARKING WITH SPATIAL SUB-SAMPLING | | PRIORITY DATE CLAIMED September 20, 2002 | |
| APPLICANT(S) FOR DO/EO/US Frederic JORDAN, and Martin KUTTER | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. | | | |
| 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. | | | |
| 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1). | | | |
| 4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). | | | |
| 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | | | |
| a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). WO 2004/028140 A1 | | | |
| b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. | | | |
| c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). | | | |
| 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | | | |
| a. <input checked="" type="checkbox"/> is transmitted herewith. | | | |
| b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4) | | | |
| 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | |
| a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). | | | |
| b. <input type="checkbox"/> have been transmitted by the International Bureau. | | | |
| c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. | | | |
| d. <input checked="" type="checkbox"/> have not been made and will not be made. | | | |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | |
| 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | |
| Items 11. to 20. below concern document(s) or information included: | | | |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98-1449, International Search Report (PCT/ISA/210, PCT/IPEA/409) and PTO Form 1449 with Two (2) References | | | |
| 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | |
| 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. | | | |
| 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. | | | |
| 15. <input type="checkbox"/> A substitute specification. | | | |
| 16. <input type="checkbox"/> A change of power of attorney and/or address letter. | | | |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. | | | |
| 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). | | | |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | |
| 20. <input checked="" type="checkbox"/> Other items or information: | | | |
| 1) Formal Drawing (5 sheets) | | | |

NEW APPLICATION

PCT/IB2003/004178

90500-000046/US

21. ☒ The following fees are submitted:

PCT FEES - NATIONAL STAGE:

| Fee Code | Description | Fee |
|----------|-------------------------------------|----------|
| 1631 | Basic National Stage Fee..... | \$300.00 |
| 1632 | National Stage Search Fee..... | \$500.00 |
| 1633 | National Stage Examination Fee..... | \$200.00 |

Rec'd PCT/PTO 11 MAR 2005

CALCULATIONS PTO USE ONLY

| | |
|---------------------|------|
| FEE VALUE | |
| ACCOMPLISHMENT | |
| DEPOSIT ACCOUNT NO. | |
| 08 | 0750 |

ENTER APPROPRIATE FEE AMOUNT =

\$ 1000.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
Months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 0.00

| PAGES | PAGES FILED | EXTRA PAGES FILED IN 50 PAGE SEGMENTS | RATE | | |
|---|--------------|---|------------|----|------|
| Total Pages | 19 -100 = | 0 | X 250.00 | \$ | 0.00 |
| | | | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total Claims | 12 - 20 = | 0 | X \$50.00 | \$ | 0.00 |
| Independent Claims | 1 - 3 = | 0 | X \$200.00 | \$ | 0.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | \$ | |

TOTAL OF ABOVE CALCULATIONS =

\$ 1000.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

\$ 500.00

SUBTOTAL = \$ 500.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
Months from the earliest claimed priority date (37 CFR 1.492(f)).Key: 08/0750/2006 WLVARRD 0021362500
Name: 10527706
FC: 9204 \$50.00 OR

TOTAL NATIONAL FEE =

\$

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$ 40.00

TOTAL FEES ENCLOSED =

\$ 540.00

| | |
|---------------|----|
| Amount to be: | \$ |
| refunded | |
| charged | \$ |

- a. ☒ A check in the amount of \$540.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account. No. 08-0750 in the amount of \$ to cover the above fees.
A triplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Send all correspondence to:

Harness, Dickey & Pierce, P.L.C. - Customer No. 30593

Post Office Box 8910

Reston, Virginia 20195

Date: March 11, 2005

By

John A. Castellano, Reg. No. 35,094

JAC/smk